

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
COLORADO RIVER BASIN REGION

MONITORING AND REPORTING PROGRAM NO.01-009  
FOR  
UNITED STATES MARINE CORPS  
MARINE AIR GROUND TASK FORCE TRAINING COMMAND  
MARINE CORPS AIR GROUND COMBAT CENTER  
NATURAL RESOURCES/ENVIRONMENTAL AFFAIRS DIRECTORATE, OWNER/OPERATOR  
FIRE FIGHTING TRAINING FACILITY  
Twentynine Palms - San Bernardino County

Location of Discharge: Section 33, T3N1 RSE, SBB&M, inside the Expeditionary Air Field (EAF) compound at the end of Phillips Road

MONITORING

The collection, preservation and holding times of all samples shall be in accordance with United States Environmental Protection Agency approved procedures. Unless otherwise approved by the Regional Board's Executive Officer, all analyses shall be conducted by a laboratory certified by the State Department of Health Services. All analyses shall be conducted in accordance with the latest edition of "Guidelines Establishing Test Procedures for Analysis of Pollutants" (40CFR 136), promulgated by the USEPA.

If the facility is not in operation, or there is no discharge during a required reporting period, the discharger shall either forward a letter, or write a notation on the required monitoring report to the Regional Board, indicating that there has been no activity during the required reporting period.

GROUND WATER MONITORING

The discharger shall monitor the ground water monitoring wells (three) at the site for the following constituents:

| <u>Constituent</u>                             | <u>Unit</u>       | <u>Type of Sample</u> | <u>Sampling Frequency</u> |
|--|-------------------|-----------------------|---------------------------|
| Total Petroleum Hydrocarbons (EPA Method 8015) | ug/L <sup>1</sup> | Grab                  | Quarterly                 |
| Volatile Organic Compounds (EPA Method 8240)   | ug/L              | Grab                  | Quarterly                 |
| MTBE (EPA Method 8260)                         | ug/L              | Grab                  | Quarterly                 |
| Total Dissolved Solids                         | mg/L <sup>2</sup> | Grab                  | Quarterly                 |
| Fluoride                                       | mg/L              | Grab                  | Quarterly                 |
| Arsenic  | mg/L              | Grab                  | Quarterly                 |

<sup>1</sup> ug/L = micrograms-per-Liter. With the lowest achievable Practical Quantitation Limits (PQLs)

<sup>2</sup> mg/L - milligrams-per-Liter

| <u>Constituent</u> | <u>Unit</u> | <u>Type of Sample</u> | <u>Sampling Frequency</u> |
|--------------------|-------------|-----------------------|---------------------------|
| Total Chromium     | mg/L        | Grab                  | Quarterly                 |
| Chromium VI        | mg/L        | Grab                  | Quarterly                 |

The depth-to-ground water shall be measured and recorded each time a monitoring well is sampled.

#### WASTEWATER MONITORING

The discharger shall monitor the wastewater AST for the following:

| <u>Constituent</u>  | <u>Unit</u> | <u>Type of Sample</u> | <u>Sampling Frequency</u> |
|---|-------------|-----------------------|---------------------------|
| Oil and Grease  | mg/L        | Grab                  | Quarterly                 |
| Volatile Organic Compounds<br>(EPA Method 6240)   | ug/L        | Grab                  | Quarterly                 |
| Total Petroleum<br>Hydrocarbons<br>EPA Method 8015 Modified for Fuel/Fuels Utilized at the Facility | mg/L        | Grab                  | Quarterly                 |

Any sludge generated shall be characterized immediately and a report listing the characterization and disposal options must be submitted for approval by the Regional Board's Executive Officer prior to disposal.

#### OIL/WATER SEPARATOR MONITORING

The discharger shall monitor sludge generated from the facility for the following:

| <u>Constituent</u>  | <u>Unit</u> | <u>Type of Sample</u> | <u>Sampling Frequency</u> |
|---|-------------|-----------------------|---------------------------|
| Total Petroleum<br>Hydrocarbons<br>(EPA Method 8015 Modified for Fuel/Fuels Utilized at the Facility) | ug/L        | Grab                  | Quarterly                 |
| Volatile Organic Compounds<br>(EPA Method 8240)   | ug/L        | Grab                  | Quarterly                 |

#### GENERAL MONITORING REQUIREMENTS

1. The discharger shall record the following after each burn day and send to the Regional Board monthly signed by the individuals described in Specification No. 15.
  - a. The amount of liquid in the sump between two liners of the burn pit.

- b. The amount of liquid in the sump beneath the lined trench that connects the burn pit to the oil-water separator.
  - c. The waste oil tank level reported in percentage filled.
  - d. The presence of liquid on the ground beneath the 15,000 gallon above ground storage tank containing the non-oil fraction from the oil water separator.
  - e. That the valve that drains the contents of the burn pit to the oil-water separator is closed and secure.
  - f. The results of the electronic test cycle conducted on electronic monitors (as described in Specification No. 1).
2. The discharger shall submit an annual certification of the entire electronic system with the 4<sup>th</sup> quarter monitoring reports (as described in Specification No. 1).
  3. The discharger shall submit an annual written certification signed by appropriate professional that states all original design criteria have been maintained (See Specification No. 2). This certification shall be submitted with the 4<sup>th</sup> quarter monitoring report.
  4. The permeability of the top liner in each double lined system shall be calculated by the amount of liquid in each sump between the liners. This permeability calculation shall be reported quarterly.

#### REPORTING

1. The discharger shall arrange the data in tabular form so that the specified information is readily discernible. The data shall be summarized in such a manner as to clearly illustrate whether the facility is operating in compliance with waste discharge requirements.
2. The discharger shall record the following:
  - a. Training dates;
  - b. Time and duration of each burn;
  - c. Type and quantity fuel utilized;
  - d. Number of personnel trained;
  - e. Quantity of waste fuel generated; and
  - f. Any unusual or system failures.
3. Records of monitoring information shall include:
  - a. The dates, exact place, and time of sampling or measurement(s);
  - b. The individual (s) who performed the sampling or measurement(s);
  - c. The date (s) analyses were performed;
  - d. The individual (s) who performed the analyses;
  - e. The analytical techniques or method used; and
  - f. The result of such analyses.
4. Monitoring reports shall be certified under penalty of perjury to be true and correct, and shall contain the required information at the frequency designated in this monitoring report.

5. Each report shall contain the following statement:

"I declare under the penalty of law that I have personally examined and am familiar with the information submitted in this document, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

6. A duly authorized representative of the discharger may sign the documents if:

- a. The authorization is made in writing by the person described above;
- b. The authorization specifies an individual or person having responsibility for the overall operation of the regulated disposal system; and
- c. The written authorization is submitted to the Regional Board's Executive Officer.

7. Report immediately any failure in the waste disposal system to the Regional Board by telephone and with a follow-up letter.

8. Quarterly monitoring reports shall be submitted to the Regional Board by January 15, April 15, July 15, and October 15 of each year. Monthly reporting shall be submitted to the Regional Board by the 15<sup>th</sup> day of each month.

9. Submit monitoring reports to:

California Regional Water Quality Control Board  
Colorado River Basin Region  
73-720 Fred Waring Dr., Suite 100  
Palm Desert, CA 92260

Ordered By: \_\_\_\_\_  
Executive Officer

\_\_\_\_\_ May 9, 2001 \_\_\_\_\_  
Date